SYSTEM FOR PRESERVING LOGICAL OBJECT INTEGRITY WITHIN A REMOTE MIRROR CACHE

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ABSTRACT

A database system is capable of executing a database application that transfers a logical object in multiple fragments. The database system comprises a main storage site, a remote storage site, a main protocol executable on the main storage site, and a remote protocol executable on the remote storage site. The remote storage site is capable of linking to the main storage site and mirroring information stored in the main storage site. The remote storage site includes a storage and a cache sidefile divided into a plurality of array sidefile recordsets. The main protocol is capable of including information indicative of logical object fragment commencement and completion in the multiple fragment database application transfer. The remote protocol is capable of controlling the cache sidefile to cache the multiple fragments as received and to enable destaging of the logical object to the storage on receipt of all fragments.